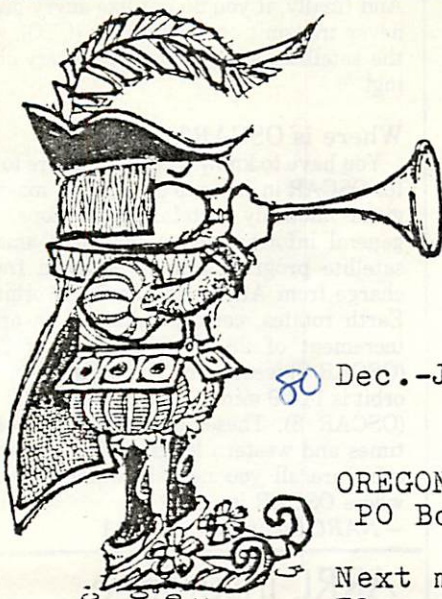




O T V A R C

80 Dec.-Jan. 81

OREGON TUALATIN VALLEY AMATEUR RADIO CLUB
PO Box 5132 Beaverton, Oregon 97006

Next meeting: Wednesday-January 21-7:00 PM
Elmers Pancake House-Beaverton Mall

Well, your officers for 1981 have been elected and here we go for another year of fun and games. If you missed the meeting the results are as follows: President-Al Berg, Vice-President-Doug McMurdo, Secretary-Carter Harrison, Treasurer-Warren Knight, Trustees-Bob Orr, Dennis Fewell and in a very close race among 4 people, Bob Dunshee won out. If anyone would like to check for a discrepancy, please feel free to do so. The ballots are being held as well as all of the envelopes. A HUGE thanks to ~~to~~ our 1980 officers and to those of you who have donated your personal time to make the club more successful. With a like amount of work and the addition of a few crucial committees, 1981 will be a rousing smash. We will be having MORE member input regarding club decisions, MORE technical activities, MORE member participation and, it is hoped, at least one public service event. Look forward to "A FUN 81". That is this years motto!!!!!!!!!!

Sure hope that you all enjoyed Jim Munson's program. You all knew that the FCC would be a little non-committal, didn't you? A very interesting program and in one area especially. It shows how much our government is interested in our hobby.

XMAS PARTY. It appeared that the 70+ in attendance had a good time. Would like to extend a great big thank you to the ladies who were so instrumental in making it a success. Just being there was neat but the food-fantastic. AND-you brought your husband. We had over \$200.00 dollars worth of raffle prizes and that does not include the Tempo handi-talkie, retail value of \$260.00. Joe and Dan really helped out. Plus some personal donations. Janet and Cheryl did us a favor and am quite sure there were others but please forgive if you are missed on donations. VERY busy night. Marianne Smith won a real TURKEY prize and if all goes well, you will see a picture of it in the newsletter. Soon!! Roger put up a board with pics of Mt. St. Helens. FROM THE AIR. In a Cessna. Hope you saw them. He also set up the PA system. Warren, N7BIJ, donated the slide projector that showed us our FD slides. Doug sold raffle tickets. The club expresses it's thanks for your time and effort..... Joe, from PR, drew the winning ticket for the TEMPO. Ask someone-who won. Your editor is too embarrassed to tell!!!

Have you worked OSCAR?

Tom Victor Segalstad, LA4LN/W3

Many amateurs don't realize how easy it is to make contacts via our OSCAR satellites (OSCAR = Orbiting Satellite Carrying Amateur Radio). Because the OSCAR 9 phase III satellite did not make it, we probably have to do with the present OSCAR 7 and OSCAR 8 for another two or three years. This article is intended to give some hints on how to get acquainted with our small metal balls in the sky.

To operate via OSCAR, you must basically know: 1) where to receive, 2) where to transmit, and 3) where the satellite is at the time you want to operate. That's all!

Where to operate

OSCAR 7 and 8 both carry linear transponders as well as beacons. Their frequencies are:

OSCAR 7	Uplink	Downlink	Beacon
Mode A	145.850-145.950	29.400-29.500	29.502
Mode B	432.125-432.175	145.975-145.925	145.972
OSCAR 8			
Mode A	145.850-145.950	29.400-29.500	29.402

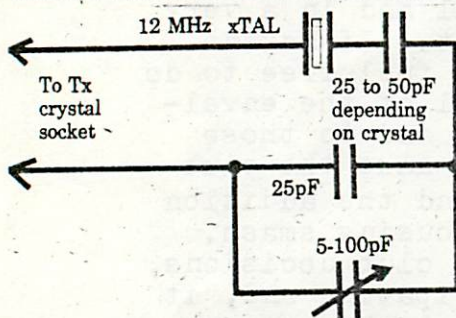


Fig. 1 — Simple VXO circuit used with a crystal designed for 145.850 MHz to give continuous variable transmitting frequency up to 145.950 MHz.

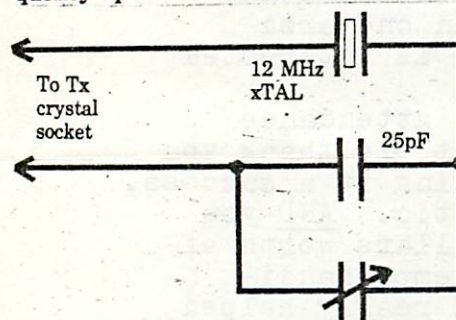


Fig. 2 — Simple VXO circuit used with a crystal designed for 145.900 MHz to give continuous variable transmitting frequency within at least ± 25 kHz.

Mode J	145.900-146.000	435.200-435.100	435.095 MHz
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This means if you transmit at 145.900 MHz through the mode A transponders, you will hear your own signal being retransmitted near 29.450 MHz. Note that modes B and J invert the signal. If you transmit at 432.160 MHz upper sideband your retransmitted signal will be heard near 145.940 MHz lower sideband.

Another thing to keep in mind is the doppler effect. Because the OSCAR travel at high speed, the retransmitted signal can be heard up to ± 6 kHz from where it "should be".

How to receive

Any good 10-meter receiver will do the job fine. Many OSCAR operators use horizontal dipole antennas. A beam antenna is, of course, fine if you want to work DX when the satellite is just above your horizon. A preamplifier is of course also good to have, but no necessity. For 2-meter and 70 cm reception receiving converters are recommended, using your 10-meter receiver as intermediate frequency. Both kits and assembled converters and preamps are advertised in Amateur Radio magazines.

How to transmit

Because of the doppler frequency shift, it is necessary to have a separate transmitter and receiver. You have to listen to your own retransmitted signal to be assured that you can make it through the transponder. You can work mode A easily if you have a 2-meter transmitter plus a receiver covering 10-meter.

My first QSO's via OSCAR (that was good old OSCAR 6) were made using my Trio/Kenwood TR-2200 (1W output) using a crystal for 145.850 MHz and keying with the PPT mike button! Later I added a simple VXO system, shown in Fig. 1. The TR-2200 crystal oscillator works at 12 MHz multiplying 12 times to give the 2-meter frequency. With the simple circuit in Fig. 1, a crystal designed for 145.850 MHz can be pulled to cover the whole mode A uplink segment, up to 145.950 MHz. The simple circuit in Fig. 2 could be used with a crystal designed for 145.900 MHz, and would give at least ± 25 kHz tuning ability. But nowadays, when so many synthesized rigs are in use, it is easy to come on the right frequency in the 2-meter band.

A good omnidirectional 2-meter antenna can be used with good results. A beam antenna will, of course, help a lot. A 10W output and a 4 el. YAGI (10dB gain vs. a dipole) will make about 100W ERP (Effective Radiated Power) and is just right.

Transmitting/receiving techniques

The first time, it is best to transmit in the center of the uplink passband and look for your own signal around the center of the downlink passband. Many amateurs use electronic keyers and continuously key dots until they hear their own signal being retransmitted. Then they start calling CQ. If your signal is strong and you hear another station higher or lower in frequency, key the transmitter while adjusting your transmitting frequency. When you hear your own signal atop of the other station's signal, call him.

A good idea is to first try on Mondays, when the satellites are reserved for QRP (max. 10W ERP) use. Try when the satellite is coming in over the Atlantic Ocean from the northeast. You can make it with 1W and whip antenna if there are few other users!

And finally, if you do not like angry people, never transmit on Wednesday (UTC), when the satellites are resting for battery charging!

Where is OSCAR?

You have to know when and where to look for OSCAR in order to use it. QST magazine gives monthly orbital predictions, and general information on the radio amateur satellite program can be obtained free of charge from ARRL HQ. For each orbit the Earth rotates, corresponding to an orbital increment of 28.7° (OSCAR 7) or 25.8° (OSCAR 8) westward. The duration of each orbit is 114.9 min. (OSCAR 7) or 113.2 min. (OSCAR 8). These data, equator crossing times and western longitude of a reference orbit are all you need in order to predict where OSCAR is.

— NARC Radio Newsette, PA

ARRL insurance

Dear ARRL Member:

We have an important announcement concerning your ARRL Ham Gear Insurance Plan.

The Plan is now administered by Albert H. Wohlers & Co., specialists in the association-sponsored group insurance field for over 30 years. Albert H. Wohlers & Co. has had considerable experience in administering group insurance plans for associations, and will efficiently serve the insurance needs of the ARRL membership. The ARRL staff will be working closely with them in this activity.

In the event you have any questions concerning your policy, please direct the inquiry to: Albert H. Wohlers & Co., Administrator, ARRL Group Insurance Plans, 1500 Higgins Road, Park Ridge, Illinois 60068.

This development assures the professional administration of your ARRL Insurance Policy. There has been no change in your coverage, premium rates, or insurance underwriter. The only change is with respect to the Insurance Administrator.

We are pleased that you have elected this valuable membership service, and look forward to continued service in the future.

Sincerely,

Richard L. Baldwin, W1RU
General Manager

P.S. The toll-free number for Albert H. Wohlers & Co. is 800-323-2106. Illinois residents may call 312-698-2221.

The fickle finger factor

Part 1: "Rotors never break when the weather is nice."

Part 2: "The same goes for antennas."

Part 3: "The higher your beam the surer it is to break."

Part 4: "He who buys a new piece of equipment usually sees it on sale in the next issue of QST."

Part 5: "He who wants rain should take his new rig out for Field Day."

MORE ON THE XMAS PARTY

You have a right to know!! Our expenses were about \$270.00 and the income was about \$365.00. A very healthy figure and it will help the club to buy whatever you feel would be an asset to us. One of our members bought \$40.00 worth of tickets and won an animal?? Thanks Gary! The important thing is that you all had a good time and got to know each other a little better. Another thank you to the ladies for coming and bearing up to all that radio talk. We want and need you at our social affairs. Our sightless members were brought to the party by Roland West. Glad you guys came and very happy that Roland was involved. Put a little Vigoro on your head, Wes, and take advantage of that free haircut you won. Wins a haircut and has a neatly trimmed butch..... (Thats one donation I forgot) Marianne Smith is giving the cut.... Joe, of PR, brought a whole bunch of neat 1981 calanders and guess who forgot to pass them out? Will do so at the meeting, Thank you Joe. The handi-talkie was purchased at the Watt Shop and Dan was nice in giving us a healthy discount. Dan and Kathy were going to come to the party but ???????? Guess that is enough on the party. Looked like a real success. Hope YOU saw it that way. Oh, one of the members drank a WHOLE fifth of scotch. Wonder who would be so crazy to do that? Heard that he did'nt have to drive home so that was good. CU ALL AT THE NEXT ONE!!!!

QST-QST-QST

Literally!! The ARRL decided to put the picture of our club affiliation in QST. Hope Pat, AC7N, way down in Florida, sees the pic. He should get a kick out of it. A letter was writtin to Steve Place, the ARRL club man, in hopes of obtaining a little PR for the club. Hopes were very low but nothing ventured, nothing etc.. Very surprised that we made it. If you don't take QST, you will find it in the Jan. issue and buy the mag at PR or the Watt Shop. Don't forget, when your ARRL membership comes due, renew through the club. We get \$1.50 of it.

SPEAKING OF RENEWAL

ONCE AGAIN-Our by-laws state that annual dues are to be paid in December. After that, no newsletter, no meeting notice, no program info and no membership. Not only that, what a hassle to drop names from the roster, re-type and then have late payers coming in the following weeks. Give your editor a break-and the club. MAIL your check to Warren Knight or pay at the Jan. meeting. PLEASE!

JAXKETS

Did we get your attention?? Club jackets are still available. Call Warren Winner or place your order at the meeting....

This thing called Amateur Radio

Rita Simmons, WD4ESJ

As most of us have learned, Amateur Radio can be a very interesting hobby. Those of us who have never been exposed to the field of electronics, must learn the basics from scratch. To obtain an operator's license we must pass exams on electronics and take a code test.

These obstacles can be somewhat difficult and a challenge to many of us. Knowing basic electronics and being able to copy code definitely gives an amateur operator something to talk about when in a crowd. As we all know, it is always an ego trip to be able to elaborate on at least one subject which the crowd knows little about.

A few months ago I had the privilege of being in a crowd of husbands and wives with whom I seldom socialize except on specified occasions. One of the gentlemen present who was aware my husband and I are ham operators, began questioning me about our hobby. At first his wife was attentive to our conversation, but later averted her attention to someone else's conversation.

Being aware of the loss of her attention, I felt at first she was being rude simply because she wasn't interested in what I had to say. Later I surmised she changed her attention to someone else simply because she could not contribute anything to the conversation. She knew nothing about my hobby.

Very few people who are not amateurs know anything about Amateur Radio. Perhaps if more people did know a little more about this hobby, they would realize it to be more than something related to the "CB Craze."

Most hams are proud to be ham operators and enjoy every opportunity to talk to the world when they so desire. Friends can be made locally or worldwide for those of us who hold licenses. This opportunity presents itself to very few, unless, of course, they are licensed hams. I have met many people and made many friends who would not have crossed my path had I not been an amateur operator.

Non-amateurs fail to see how amateurs can devote so much expense, time and effort to a hobby. Thank goodness, as hams we all

realize the capabilities and possibilities that do exist in this great hobby. Just knowing we can be the lifeline in an emergency situation makes it all worthwhile, not to mention the fact one contact with a handicapped amateur may make their day a little brighter or make an elderly shut-in's day a little shorter.

These contacts you or I have with some people are perhaps the only contacts a lot of them have with the outside world. What a morale booster to a handicapped amateur when they find such friendliness, warmth and compassion on the other end of the world. What a feat for someone whose abilities are limited to being able to participate in a hobby that is enjoyed by people from every walk of life.

Amateur Radio is enjoyed by young and old, rich and poor, male and female. In our country very few restrictions exist. Just as long as a person can pass the exams required, obtain their licenses and abide by the FCC Rules and Regulations, they can communicate with the world.

What makes a person stay with one hobby so long? I'm sure there are many interesting answers — many we all can identify with. Very few serious-minded hams drop the hobby.

Most of us stay active one way or another — either on the low bands or the high bands. Once the privilege is earned, most amateurs are reluctant to give it up.

Like in any other hobby, we have those who fail to adhere to the rules and regulations. There is no room for them in our shared hobby; therefore, they lose their privileges to talk among us.

Sharing seems to be the common bond amateurs have. Not only sharing with our local amateurs, but sharing with amateurs in Russia, Mexico, the Pole, Australia, or wherever. Such a unique hobby we have that thousands upon thousands from many different countries can communicate regardless of politics, race or religion.

A hobby that will outlive us all, this thing called Amateur Radio.

— Linear Lines, Trident ARC, SC

The profile of a Gun

New Gun — Calls CQ for hours on end. Asks a lot of questions and does not know what a gun is.

Little Gun — Makes contacts after calling CQ. Does not ask many questions and is trying to decide what kind of a gun to be.

CW Gun — Sends and receives CW at blazing speeds. Can write or send with either hand. Has a twitch between his thumb and forefinger from long hours of high-speed CW.

SSB Gun — Talks rapidly and continuously. Uses a super fast VOX and has developed a high squeaky voice.

Technical Gun — Can design or fix anything. Calculates electronic formulas mentally while others use calculators.

Big Gun — Twitches, squeaks or calculates. Holds many records. Has shoes and a big stick.

Satellite Gun — Very clever about getting something for nothing. Points antennas toward the sky and talks to OSCAR.

Top Gun — Does all of the above better than anyone else. Has been known to redesign his station in the middle of a contest and maintain a rate of 60 per hour. Answers questions before they are asked, and gives to God.

Machine Gun — Does everything rapidly and automatically and sometimes accurately.

Old-time Gun — Has tried everything at least once and talks to other old-time guns about the good old days.

Hired Gun — Usually operates someone else's station. Competes with Big Guns and does very well with any kind of equipment.

Son of a Gun — Someone whose father is a gun.

Useless Gun — Shoots blanks. Tunes up on net frequencies. Calls CQ in middle of a DX pile-up. Generally contributes nothing to Amateur Radio.

Literary Gun — Uses a Webster and writes about other guns. Sometimes is considered the smartest gun of all.

—National Contest via K1KI, Arrow-head ARC

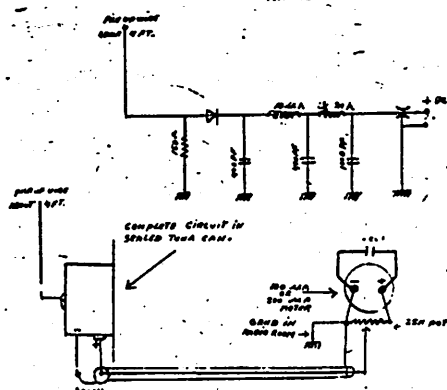
Handy little gadget

Manny Chavez, W6QMV

Here's a handy little gadget you people can build in your own spare time.

It's a remote field-strength meter. By remote, I mean the meter is inside of the shack, but the pickup circuit is mounted at the peak of the house with a hunk of wire for an antenna.

As you can see, the circuit is inside a sealed tuna can, and a single conductor shielded cable goes to the meter with the shield grounded to the station ground so it won't pick up any stray RF. I've mine to load all my antennas and, believe me, the RF is outside where it belongs, instead of warming up the shack.



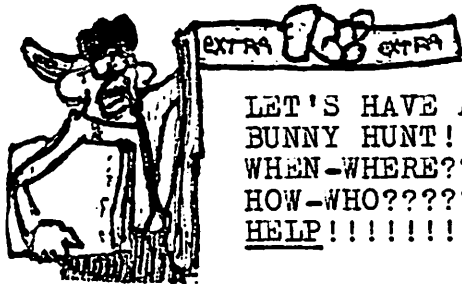
Good luck, gang, hope it works as good as mine.

— The Satellite Orbit, Santa Monica, CA

If you have a problem reading the values on the HANDY LITTLE GADGET, call WB7SIC. The original is readable, BARELY!

Any technical donor for the Feb. issue?

DO IT !!



LET'S HAVE A
BUNNY HUNT!!
WHEN-WHERE??
HOW-WHO?????
HELP!!!!!!!

FOR SALE

Drake 2B with 2BQ. If interested,
give Roland West a call at 246-1067.
He is willing to bargain!!!

Neat to see Eldon, WB7BCW, and his wife at the December meeting. Been a long time Eldon. Sure hope you do it again and soon. Speaking of attendance, where in heck was KB7JU, W7JDT, W7GUH, N7ALM, WA7ZQP, W7LJN, W7NDH, W7WHB and a few others???? Oh well, there was no room left anyway. Sorry guys. Carl, KA7GHR, upgraded to general. At least that is what was overheard. Is that true Carl? If so, hearty congrats. George and gang were there to reap the results of buying tickets for the raffle. Last newsletter stated that George and his boys were doing a number on the raffle. We stand corrected. One of them is a girl. Apologies to the young lady. Guess new contacts are in order. Cute little gal. Good luck George!! Neil, WA6KLA, and new member, Chuck Chartrey, KA7DEW, were kind enough to count ballots for the election. Much appreciated guys. Think we missed a welcome in the last rag to Chuck, KA7DEW, who joined the club too late for mention. A big welcome and hope that you enjoy the club and it's activities.

NEW MEMBERS

"WELL now, what's this club doing with all these bodies??" Whew, would you believe we are now 95 strong! We welcome ten new members to our ranks. Wes Smith, KA7EDB-Bob Tommy, KA7GGY-Ray Delacruz, KA7JCY-John Frazee-and two husband and wife sets, Howard Wahl, KA7HMZ-Helen Wahl, KA7HNA-Bill Whiting, WA6VPA-Mona Whiting, WD6AYC-Bob Ledbetter, K6RH and George Sneed, KA7HRJ. A great big hello and congrats on your decision to join. PS.~ Make that 96-Karen Hough, KA7CVQ, just joined. CU at the meeting!

RAFFLE DONORS

Once again our thanks to Joe of Portland Radio and to Dan of the Watt Shop. What can we say? Month after month these people come through for us and make our meetings a lot more fun and give us financial security. Hats off to Joe and Dan.....

Portland Radio
1234 SW Stark
Portland, Ore.
JOE

The Watt Shop
891 Molalla Ave.
Oregon City, Ore.
DAN

Both of these businesses have been having some pretty good sales. Great to see some aggressive merchandising and hope that our members are taking advantage of it. If you have't met Joe or Dan, when you are in looking things over, let it be known you are an OTVARC member. They would appreciate knowing that their donations are helping them too.



DX WORLD

Syria

Omar, YK1AD, is working on his WAS and still needs a few states. He can be found on 14.210 MHz at 1400 UTC on Thursdays.

If you miss Omar, try Manfred Gruberbauer, OE5GML/YK, who is active on 14.207 MHz at 2115 UTC, and who handles his own QSL cards at his Austrian QTH. Other stations reported from Syria include YK1AA who has been found between 14.203 to 14.210 MHz from 1400 UTC, and YK1AO who was reported on 14.209 MHz at 1500 UTC. Unfortunately, there seems to be no CW activity at the time.

Tuvalu

There is an active YL operating from Tuvalu. Look for Diana, T2XYL, who operates daily between 14.220 and 14.280 MHz from 0700 to 1000 UTC. On weekends she can be found on 21.315 MHz at 0800 UTC.

Other active stations from this one include T2AAC found at 21.025 MHz at 0200 UTC; T2AAD at 21.024 MHz at 0100 UTC and 28.024 MHz at 0100 UTC; and a visiting JA-type at T2AAE reported at the low ends of 20, 15 and 10 meters between 2300 and 0500 UTC. Nice to see some CW activity.

Singapore

Jack Coffee, WD5ELJ, and his wife, Nelda, WB5TQL, are active on 14.225 MHz after 1030 UTC from Singapore with the calls 9V1UQ and 9V1UR respectively. K5BLV handles their QSL chores for stateside stations. All others should QSL via the bureau in Singapore.

Roy, 9V1UL, is another active station in Singapore. Look for him on 14.205 MHz after 1030 UTC.

9V1UH was reported on 15 meters at 21.345 MHz at 0300 UTC, with two more 20-meter stations, 9V1OI and 9V1UO below 14.250 MHz between 1100 and 1500 UTC. As for CW, Jack, 9V1UQ, will most likely give you a contact on that mode if you so desire.

San Marino

Mario Graziani, M1B, of San Marino, can be found with a list operation with his QSL manager, Mary Ann Crider, WA3HUP, most weekdays at 1500 UTC about 21.375 MHz.

Also on 15 meters, Antonio Ceccoli, M1C, has been found at 21.315 MHz at 1000 UTC. This station is very active as I have seen this QSL in many of the W-100-N applications.

Mauritania

5T5NC is an active station in this country, found weekends from 1100 to 1700 UTC on 21.025 and 28.025 MHz. He has also been reported to have been on Fridays at 1930 UTC on 10 meters and 2115 UTC on 15 meters. This CW station QSL's via G3KXF.

Any good news for the 75-meter buffs! Jacques Crete, 5T5CJ, has been found on 3785 kHz from 0700 UTC.

Ten-meter phone types will find Jose Dumoulin, 5T5JD, at 28.581 MHz from 2400 UTC and 5T5GW at 28.520 MHz from 1200 UTC.

Gibraltar

Want a piece of the rock? Maybe not the insurance company, but ZB2GR can be worked at 28.690 MHz most days after 1800 UTC. ZB2EO works CW on the lower edges of 80 meters between 2300 and 0130 UTC, although he has been found at 14.014 MHz around that time.

Another CW type is ZB2GH has been visiting 14.026 MHz at 2300 UTC and 28.026 MHz at 1800 UTC.

Southern Sudan

K5LBU/ST0 works stateside stations most days from 1130 UTC close to 28.530 MHz. He has been known to shift to the DX-to-DX Net (Ulrich Adelung, DK2OC) at noon on 28.750 MHz. His QSL manager is W. Lane Tarleton, WA4ZQQ.

Dave Schoen, N2KK, who is a free-lance photographer, is presently roaming about Africa and is scheduled to be active from this one from 22 December through 15 January. His operating times are given as 0300 to 0400 and 1530 to 1630 UTC, taking advantage of the African sunrise and sunset.

Cameroon

TJ1CK can be found most days on 10 meters between 28.500 and 28.620 MHz. No specific time was given, so keep your ears open. Another source has him on 28.581 MHz at 2100 UTC and 28.573 MHz at 2400 UTC.

International regulations

Third party agreements

The United States has made special arrangements to permit U.S. amateurs to exchange third party communications with amateurs licensed by any of these 28 other governments:

Argentina	Haiti
Bolivia	Honduras
Brazil	Israel
Canada	Jamaica
Chile	Jordan
Colombia	Liberia
Costa Rica	Mexico
Cuba	Nicaragua
Dominican Republic	Panama
Ecuador	Paraguay
El Salvador	Peru
Ghana	Trinidad & Tobago
Guatemala	Uruguay
Guyana	Venezuela

The United States also has a special arrangement with the International Telecommunication Union (ITU) permitting third party communications with its station 4U1ITU in Geneva, Switzerland.

Reciprocal agreements

The United States has also made special arrangements with 55 other governments to grant reciprocal operating permits to visiting foreign amateurs. These reciprocal agreements enable a U.S. citizen who is a licensed amateur to apply for a permit to operate in one of the 55 other countries, and an amateur who is a citizen of one of these other countries to apply for a permit to operate in the United States.

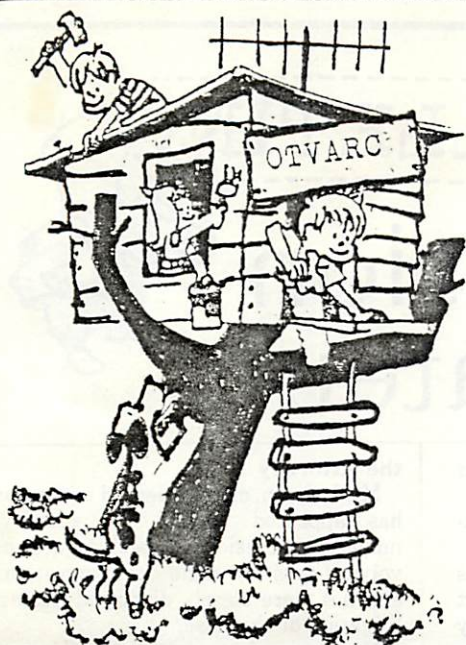
Governments that have reciprocal agreements with the United States are:

Argentina	Belgium
Australia	Bolivia
Austria	Botswana
Barbados	Brazil
Canada	Iceland
Chile	India
Colombia	Indonesia
Costa Rica	Ireland, Rep. of
Denmark	Israel
Dominican Republic	Jamaica
Ecuador	Jordan
El Salvador	Kuwait
Fiji	Liberia
Finland	Luxembourg
France	Monaco
Germany, Fed. Rep.	Netherlands Antilles
Greece	Netherlands
Guatemala	New Zealand
Guyana	Nicaragua
Haiti	Norway
Honduras	Panama
Paraguay	Sweden
Peru	Switzerland
Philippines	Trinidad & Tobago
Portugal	United Kingdom
Sierra Leone	Uruguay
Spain	Venezuela
Surinam	

Amateurs who wish to apply for a reciprocal operating permit should write to the radio licensing authorities in the government of the country to be visited. Applicants may get the addresses of these licensing authorities either from foreign embassies or from radio clubs listed in the Foreign Amateur Radio Callbook.

An amateur who is a citizen of one of the countries above may apply for a permit to operate in U.S. territory by completing an FCC Form 610-A, available from any FCC office or, in some cases, from U.S. missions abroad. The completed application and a photocopy of the applicant's current amateur license should be sent to: Federal Communications Commission, Gettysburg, PA 17325, USA.

A reciprocal operating permit issued by the FCC is valid for one year or until the date of expiration on the applicant's license, whichever comes first. For more information, call the office in Gettysburg at (717) 334-7631. □



UPGRADES

Raun Kucera got his novice license and didn't tell us. Naughty, naughty!! A big congrats anyway Raun and hope you like being KA7IMH....Maybe an N7 in the near future??

Dave Palmer, KA7HID, went to take his General on Nov. 26 and passed. Went back a few days later and took the advanced and passed. Hasn't made a phone contact yet...Told him he ought to work on code and next month pass the extra, then get on the air and call someone. HI THERE, YOU ARE MY FIRST PHONE CONTACT! Good grief, some people have all the luck. Super going Dave.

As soon as the shock wears off, call someone to help you tune up on SSB and do it to it.

WOULD YOU BELIEVE???

I promised I would not tell anyone but just cannot resist... A well known member got a phone call and the caller said, "Hi, this is Ray (N7ALV??) and I am ready to tune up your car." Our hero says, "I don't know anything about tuning my car. Are you sure?" A pause on the other end and "Oh, I meant to call Warren Winner." With that, Ray goes on to tell about his wife pulling muscles in her back and having an injection which punctured a lung and put her in St. Vincents. Our hero, being a dedicated club member, called and said we should send flowers and would I call a florist. Ray and Karen, being involved with the club as well as being old friends, caused me to say ok, I will call. The next day our hero gets a call from the florist. "There is no Karen Hough in St Vincents. What do you want us to do?" I get a call and am asked to call Ray and find out what is going on. I did and his son answered. "Is your dad home?" "No." "Is your mom in the Hospital?" "No!" "Where is she?" "Shopping at Albertsons!" HMMMMM!!! Well, our hero got a call and his reaction was to ask me to call the florist and explain. Needless to say, our hero did the calling. I wonder if French Dressing or Italian tastes better on a cut flower arrangement?? Just kidding, the club was not out any bucks. The cheapskate should have sent them to his poor wife, even if they were wilted!!!! (The caller was a total stranger)

SANTA AT ST. VINCENTS

W7XI, AI7G and wife Brenda, KB7CC and wife Jo, N7BIJ and WB3ELG, entertained the kiddies at St. Vincents hospital on Tues. eve the 16th of Dec.. Guess there were not too many little ones there but that is good. Those that were, got to talk to Santa on 2m. Guess George makes a pretty good Santa. These folk did the same trip last year except at the Kerr Center. Very nice gesture and appreciated by the club....



NEWS

BULLETIN



Court decision benefits amateurs

GEORGE E. OELKERS, Plaintiff vs. CITY OF PLACENTIA, et. al., Defendants.

I. Facts

On May 2, 1978, this court granted a preliminary injunction in favor of plaintiff George E. Oelkers ("Oelkers") enjoining the defendant City of Placentia ("City") from enforcing as against Oelkers certain city ordinances limiting antennae heights. On December 11, 1978, the parties stipulated that a preliminary injunction be deemed a permanent injunction. The court found said ordinances to infringe upon the plaintiff's constitutional right of free speech in violation of 42 U.S.C. §1983¹ and ordered the City to review these ordinances to conform with the Constitution.

II. Discussion

A. The Award of Fees to the Prevailing Party Under the Civil Rights Attorney's Fee Act.

The courts have uniformly awarded attorney's fees to the prevailing party in a civil rights action pursuant to 42 U.S.C. §1988 in order to encourage plaintiffs to challenge alleged violations of the Civil Rights Act, 42 U.S.C. §1983. *Schaeffer vs. San Diego Yellow Cabs Inc.*, 462 F. 2d 1002 (1972). As

a prevailing plaintiff, Mr. Oelkers is entitled to the award of attorney's fees.

B. Computation of a Reasonable Attorney's Fee

The determination of reasonable fees is left to the discretion of the district court with recognition that fees are to be liberally awarded. *Clark v. American Maritime Corp.* 320 F. Supp. 709 (E.D. La. 1970) aff'd. 437 F. 2d 959 (5th Cir. 1971). Additionally, relevant guidelines have been set forth in *Johnson v. Georgia Highway Express Co.*, 488 F. 2d 714 (5th Cir. 1974) and adopted by the Ninth Circuit in *Derr v. Screen Extras Guild Inc.*, 526 F.2d 67, 70 (9th Cir. 1975). This court considers the following relevant guidelines: 1) the novelty and difficulty of the question, 2) the experience, reputation and ability of the attorney, and 3) the customary fee.

1. The Novelty and Difficulty of the Question

The area of personal radio communication requires much technical expertise. Its impact upon individual rights has yet to be fully explored by the courts. Thus, the number of hours expended in litigation of the novel and intricate constitutional issues involved in this case are justified.

2. Expertise, Reputation and Ability of

the Attorney

Mr. Lawson, an experienced trial attorney, has appeared around the country on numerous occasions in similar actions involving personal radio communication. His abilities were clearly displayed during the litigation of this case.

Mr. Lawson's associate, Mr. Zuckerman, similarly displayed ability in litigating this complex case. Since he is a recent admittee to the bar, his trial experience is understandably limited. However, through his training with Mr. Lawson, he is developing expertise in the area of personal radio communication.

Dated: 24 September 1980.

Robert M. Takasugi

United States District Judge

Footnote

¹42 U.S.C. §1983 states:

Every person who, under color of any statute, ordinance, regulation, custom or usage, of any State or Territory, subjects or causes to be subjected, any citizen of the United States or other persons within the jurisdiction thereof to the deprivation of any rights, privileges or immunities secured by the Constitution and laws, shall be liable to the person injured in an action of law, suit in equity, or other proper proceedings for redress.

Famous last words

Fred Linn, W9NZF

Those are famous last words — "Aluminum doesn't rust". Having been directly and personally involved with antennas and their various supports for 40-some years, I have grown to respect the corrosive ability of Mother Nature's "clean air" when working on exposed metal surfaces. All that is necessary to complete the electrolytic composition of the average city's atmosphere is a bit of moisture.

Starting with corroded antenna wire (which began life as a bright shiny conductor), through my 3-element 10-meter beam (which had to be cut apart when I moved), to the neighbor's TV tower which couldn't have fallen across my garage "because it's aluminum and can't rust", I have painfully amassed a small mountain of bitter experience.

The maintenance of steel towers is all too familiar to bear repeating here, but aluminum — Hah! — there's the stuff. It

can't rust, doesn't need paint, won't turn the house siding rusty red and will stand up, ad infinitum. But will it??? Maybe we should examine this neat concept to see exactly how your 100 footer will perform in that 60 mph wind, 10 years after you have put it up.

Aluminum is corrosion-resistant and requires no extra protective coating under most service conditions because an oxide skin quickly forms on clean metal surfaces laid bare by abrasion or polishing. Only under severe conditions such as exposure to alkalis (which destroy this coating) does aluminum require surface protection; and aluminum readily accepts a wide variety of such coatings.

On the other hand, aluminum is very susceptible to galvanic (or sacrificial) corrosion. Direct contact with metals, lower on the electromotive series, will cause severe corrosion to the aluminum surface in the presence of an electrolyte. (Normal moist air is electrolytic — it doesn't have to be a moist sea breeze). It will cause corrosion due to battery action.

Structural components such as nuts, bolts, washers, clamps, straps, etc. made from steel, lead, copper, brass, silver (whew!) or nickel, for example, cause corrosion at the contact area. Whenever such metals are used in construction, insulate the aluminum with paint, epoxy, tape or plastic at the dissimilar metal point.

A little thoughtful engineering on the ground will save an awful lot of trouble in the air. It may also save you a great deal of legal trouble and liability problems in this day of ever-ready lawsuits, petitions and other lawyer-related hassles, if your corroded aluminum tower falls.

— Smoke Signals

LADIES !!!!

A recipe is on the
back page....

AVOCADO DIP (Mary Berg)

Asked for by many at the Xmas party, Went bye bye-FAST..

2 lge avocados, (mashed). 1 can bean dip. 1 lge cream cheese, (softened). 1 envelope taco mix. $\frac{1}{2}$ onion, (chopped). 1 lge tomato, (diced). $\frac{1}{2}$ to $\frac{3}{4}$ cup grated cheddar cheese.

Blend cream cheese and taco mix. On large platter, layer the ingredients starting with bean dip-avocado-cream cheese mix-onion-tomato and lastly, cheese. Serve with Taco Chips. Keep it away from the family until you have had your share!!

GOOFED DEPARTMENT

Xmas party donations-Linda gave us a roll of solder and some rolls of solder-wick. Someone gave us a vinyl covered case and never did find out who?? That solder runs about \$15.00 and the wick \$1.50. Had about 6 rolls. The case looked \$\$\$.

Thanks from the club. Much appreciated..

Din-Din

Dinner option this month is spaghetti and the sandwich is the ever popular cheeseburger basket. We are starting now to look for a larger meeting room. Would REALLY like to keep the same benefits we now have. If anyone comes up with an idea, please call. Will try hard for a dinner place but if all else fails-----?

BUY PEANUTS SUPPORT YOUR EX-PRESIDENT!!

PROGRAM (s)

The first part of the program will be a short film from Hughes Aircraft and will entail their satellite program. Communications will, of course, be prevalent in the film. It was suggested by the ARRL and so we must assume it has interest to amateurs. The MAIN part of the program will be put on by Stan Zulaski, K7VYH. He and club member, K7WWG, are involved in a new type of infra-red camera system. The system is superior in that it operates on a Real Time basis (??)-shows actual images. It has been used by authorities to keep track of Mt. St. Helens. It is sensitive enough to show a .4°C change at 300'. We will be given a live demonstration and will have two TV sets. One in the front and the other in the back of the room so all may see the action. EVER WANTED TO TAKE PICTURES AT NIGHT?? Might be handy for catching chicken thieves!! Really, this should be a FUN program and will be rather novel in the area of broadening our knowledge...

Editor-WB7SIC

Copy-WB7VTG

Mailing-N7ASB

